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A Strömberg, F Ryttsén, DT Chiu, M ... - Proceedings of the ... 2000 - National Acad Sciences

... trapped by an IR laser beam and brought into contact with an **adherent cell**, by ... 1. As an alternative to positioning with **optical tweezers**, the carbon-fiber microelectrode tips were used to ... This procedure works well for **cells** and vesicles newly seeded onto uncoated glass surfaces ...

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Dynamic regulation of activated leukocyte cell adhesion molecule-mediated ...-

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JMDT Nelissen, IM Peters, BG de Grooth, Y ... - Molecular biology of ... 2000 - Am Soc Cell Biol

... Specific adhesion is expressed as the mean percentage  $\pm$  SD of **adherent cells** from triplicate wells. ... Also, in the absence of force applied with the **optical trap**, free diffusion becomes directional, as is ... (2000) have demonstrated that in epithelial prostate **cancer cells**, recruitment of ...

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... crystal phases of cholesteryl oligo (L-lactic acid) and their interactions with **cells**- ► [nih.gov](#)

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JJ Hwang, SN Iyer, LS Li, R Claussen, ... - Proceedings of the ... 2002 - National Acad Sciences

... and Kreiser-Saunders (4) prepared by a similar methodology a series of **poly(L-lactic acid ...** of C-LA used with 3T6 **cells** have a topography clearly visible by **optical microscopy** and ... 7 b). The **adherent cells** adopt a bipolar spindle shape, a fibroblastic morphology that is phenotypic ...

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Biosensors: new approaches in drug discovery- ► [uregina.ca](#) [PDF]

M Keusgen - Naturwissenschaften, 2002 - Springer

... The **cancer**-protective effects of these com- pounds has also been recently demonstrated (Nie et al. ... The advantage of this method over most other **optical sensors** is that loading of the surface with ... Biosensors of this type require attachment of intact **cells** to the surface of a support ...

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Polarity of T cell shape, motility, and sensitivity to antigen- ► [cell.com](#)

PA Negulescu, TB Krasieva, A Khan, HH Kerschbaum, ... - Immunity, 1996 - Elsevier

... **Optical tweezers** revealed spatial T cell sensitivity to antigen by controlling placement on the T cell surface of either B **cells** or  $\alpha$ -CD3 MAb-coated beads. T **cells** were 4-fold more sensitive to contact made at the leading edge of the T cell compared with the tail. ...

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... With the availability of **optical sectioning** by laser-assisted CFM, nuclear and cytoplasmic ... MCF-7 and KB **cells**, both of which are **adherent**, were grown on coverslips with ... Gottesman, MM, and Pastan, I. Membrane vesicles from multidrug-resistant human **cancer cells** contain a ...

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 ... Interphase analysis was performed by either culturing **adherent cells** on glass coverslips or by ...  
 red; Molecular Probes) and corrected, when necessary, by merging the appropriate **optical**  
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 Y Hori, IC Rulifson, BC Tsai, JJ Heit, JD ... - Proceedings of the ... 2002 - National Acad Sciences  
 ... Confocal immunofluorescence microscopy with an **optical** slice thickness of 0.6 µm was performed  
 on ... by RT-PCR in pancreatic islet preparations because of **adherent** acinar **cells** ... can differentiate  
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